

Title (en)
ZEOLITIC ADSORBENTS WITH LARGE EXTERNAL SURFACE AREA COMPRISING BARYUM AND/OR POTASSIUM AND USES THEREOF

Title (de)
ZEOLITHISCHE ADSORPTIONSMITTEL MIT GROSSEN EXTERNEN OBERFLÄCHE UMFASSEND BARIUM UND/ODER KALIUM UND VERWENDUNGEN DAVON

Title (fr)
ADSORBANTS ZÉOLITHIQUES DE HAUTE SURFACE EXTERNE COMPRENANT DU BARYUM ET/OU DU POTASSIUM ET LEURS UTILISATIONS

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Abstract (en)
[origin: WO2015032923A1] The present invention relates to zeolitic adsorbents based on agglomerated crystals of FAU zeolite comprising barium and/or potassium, with a large external surface area, combining optimum properties in terms of selectivity and mechanical strength. These adsorbents find applications in the separation of fractions of C8-aromatic isomers and in particular of xylenes, in the separation of isomers of substituted toluene such as nitrotoluene, diethyltoluene or toluenediamine, and in the separation of cresols, and polyhydric alcohols, such as sugars.

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• FR 2903978 A1 20080125 - CECA SA SA [FR]
• POLAERT ISABELLE ET AL: "Adsorbents regeneration under microwave irradiation for dehydration and volatile organic compounds gas treatment", CHEMICAL ENGINEERING JOURNAL, vol. 162, no. 3, 6 July 2010 (2010-07-06), AMSTERDAM, NL, pages 941 - 948, XP055841830, ISSN: 1385-8947, DOI: 10.1016/j.cej.2010.06.047

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